

REMARKS

This is in response to the Office Action mailed on November 18, 2004, and the references cited therewith.

Claims 1 and 32 are amended, no claims are canceled, and claim 34 is added; as a result, claims 1–34 are now pending in this application.

§102 Rejection of the Claims

Claims 32 and 33 were rejected under 35 USC § 102(b) as being anticipated by Hunt (U.S. Patent No. 5,581,229).

Claim 32 has been amended to add a “frequency locked loop driven from a phase detector,” a feature that is neither shown nor suggested in the cited Hunt patent.

§103 Rejection of the Claims

Claims 1-5 and 8-10 were rejected under 35 USC § 103(a) as being unpatentable over Hunt.

Claims 6-7 were rejected under 35 USC § 103(a) as being unpatentable over Hunt in view of Dalichau (U.S. Patent No. 6,671,501).

Claims 11-12 were rejected under 35 USC § 103(a) as being unpatentable over Hunt in view of Propp et al. (U.S. Patent No. 4,815,106).

Applicant respectfully traverses the above rejections for the reasons stated below.

Claim 1 has been amended to more clearly distinguish it from the cited Hunt patent which does not show or suggest use of a “frequency locked loop driven from a phase detector” as amended claim 1 now requires. That feature is discussed in Applicants’ patent specification. Dependent claims 2–12 are believed to be allowable for the same reasons claim 1 and for additional reasons based upon their additional features which Applicants reserve the right to present in further remarks.

Reconsideration and allowance of claims 1–12, as amended, is respectfully requested.

Allowable Subject Matter

Claims 13-31 were allowed.

New claim 34

New independent claim 34 has been added. Support for the “switching amplifier” feature is shown in figures 5,6 7 and 12 and described in the patent specification..

Conclusion

Applicant respectfully submits that the claims are in condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney at (612) 373-6970 to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

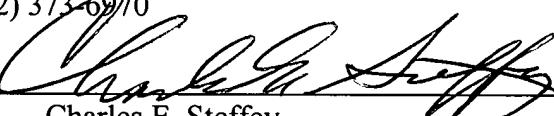
Respectfully submitted,

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Date Feb 18, 2005

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 18th day of February, 2005.



Name



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